CENTRAL PIEDMONT
COMMUNITY COLLEGE

Annual Forensic Document Examiners Conference

March 17-20 • Harris Conference Center • 3216 CPCC Harris Campus Dr. Charlotte, NC

About

This four-day hands-on seminar brings together some of the leading experts in forensic document analysis to explore the latest printing processes and security features being used to authenticate documents as well as to replicate them. Work with professionals from the U.S. Secret Service, SICPA, Foster + Freeman, Appvion, OpSec, VeriTrace, Agfa, PPG, EFI and others to learn to properly identify a document as either genuine or counterfeit.

Outcomes

- Participate in hands-on sessions using instrumentation to determine document authenticity.
- Learn how to identify imaging characteristics of traditional and non-impact printing systems.
- See what printing processes look like when documents are printed on a variety of everyday items.
- Learn how to evaluate the imaging process, ink and substrate used in a document.

Topics include:

- Security inks, substrate, and materials
- Optical variable devices/holograms
- Forensic devices and imaging software
- Understanding color theory and reproduction
- Overt and covert security features
- Foundations of the most common print processes

Who should attend?

- Questioned document examiners
- Forensic document examiners
- Forensic scientists
- Criminologists
- Fraud investigators
- Anti-Counterfeiting professionals
- Government employees who work in or with crime labs

Register now:

- https://www.cpcc.edu/events/forensic-document-examiners-conference

Contact: Zachery.blackburn@cpcc.edu | 704.330.4427

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Keynote Speaker
- *Elaine Marshall* – North Carolina Secretary of State
Secretary Marshall will address how NC is a leader in combating counterfeiting. Gain and understanding of why our efforts are important to commerce and our economy.

Printing Process Identification and Image Analysis for Forensic Document Examiners
- *Scott Walters* – United States Secret Service
This course will teach the student how to identify different printing processes and the steps taken to authenticate various types of documents. Instructors will share their knowledge of how counterfeiters create fraudulent documents and how these documents can be linked. Presentation of counterfeit cases in a court of law will also be discussed.

Genuine U.S. Currency - Print Processes, Paper, and Security Features
- *Amanda Moffett* - United States Secret Service
This session will review the substrate, print processes and public security features of genuine U.S. banknotes. We will apply what is learned in the earlier sessions and look at how the printing, paper, and features are simulated in the counterfeit banknotes.

Security Inks and their Print Processes
- *Tom Jay* – SICPA Securink Corporation
An examination of the inks and print processes used to make a physical document secure whether it be paper based, synthetic or an ID card substrate. SICPA is the leading global supplier of overt and covert security inks for printing banknotes, ID and travel credentials, vital record documents, financial documents, tax and other stamps and brand protection applications.

Forensic Document Examination Equipment and Usage
- *Michael Zontini* – Foster/Freeman
In this session you will receive hands on training using a Foster/Freeman forensic investigation device. Michael will demonstrate the wide variety of imaging tests that their state of the art equipment can perform. There will be activities the attendees will take part in to better understand how to implement technology into their investigations.

Building a Secure Document
- *Robert Sherwood* – VeriTrace, Inc.
The most secure documents utilize multi-layered technologies to combat counterfeiting. The presentation will discuss what multi-layering is, how technologies are selected, providing maximum protection, authentication, and cost.

The Making of Custom Security Papers
- *Mike Caffrey* – Appvion
Learn about the paper properties that make a good foundation for security papers. This section will detail the design and production of mill made watermarks, embedding overt and covert technologies, security threads, and other unique identifiers. The discussion will also examine the difference between

Fundamentals of Overt Variable Devices and Security Foils
- *Reina Steiner* – Kurz Transfer Products
In this presentation attendees will learn about how OVDs, holograms, and security foils add security as well as aesthetics to documents. Takeaways for this presentation will be: elements of a secure OVD, varieties of holographic images and secure films/foils.

Synthetic Substrates and Their Applications
- *Max Astor* – PPG
In this session you will learn about the varieties of synthetic substrates. These are commonly used for a range of identification cards. You will be exposed to their composition and what they are being used to create.

Building the Printed ID Design: What's Your Premise?
- *Randall Burgess & Cheryl Sutton* – Agfa/ProImage
Looking at risk tables, users, and fraud types, this talk will discuss the printed elements of an ID, how they work together aesthetically as well as functionally. It will also discuss how to make an ID difficult to scan or forge and how to select other technologies to further layer the design and security.

Understanding Color Fundamentals
- *Zachery Blackburn* – Central Piedmont Community College
We will examine the physics and science of how color reproduction works. In this session we will cover topics like the electromagnetic spectrum, color theory, and measurement.

* All speakers are subject to change without notice

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